

# FAY, SHARPE, BEALL, FAGAN, MINNICH & MCKEE

ATTORNEYS AT LAW

104 EAST HUME AVENUE  
ALEXANDRIA, VIRGINIA 22301

(703) 684-1120

PATENT, TRADEMARK  
AND COPYRIGHT LAW

FACSIMILE: (703) 684-1157  
E-MAIL: fsb@alex.dgsys.com

OHIO OFFICE  
1100 SUPERIOR AVENUE, SUITE 700  
CLEVELAND, OHIO 44114  
(216) 861-5582

Date: April 13, 1999

Attorney Docket No. H-769

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir: Transmitted herewith for filing is the patent application of:

Inventor: SEE ATTACHED LIST (H. ARITA et al)

For:  
ENERGY AND POWER INTERCHANGE SYSTEM  
AND ITS METHOD

THOMAS E. BEALL, JR.†  
JOSEPH D. DREHER\*  
CHRISTOPHER B. FAGAN\*  
RICHARD M. KLEIN\*  
THOMAS E. KOCOVSKI, JR.  
SHRINATH MALUR\*†  
JOHN R. MATTINGLY\*†  
SCOTT A. MCCOLLISTER\*  
WILLIAM W. MCKEE\*  
JAMES J. MINNICH\*  
JAY F. MOLDOVANYI\*  
J. MOY, JR.\*†  
ANDREW E. NAUMAN\*  
PATRICK R. ROCHE\*  
PATRICK P. SHARPE, III\*  
DANIEL J. STANGER  
MARK S. SVAT\*  
ANDREW M. KOENIG\*  
JUDE A. FRY\*  
COLLEEN FLYNN GOSS\*  
A. JOHN DEMARCO  
BRIAN E. KONDAS  
STEVEN M. AUVEL  
R. SCOTT SPEROFF  
STEVEN M. HAAS  
MARK E. BANDY\*  
MICHAEL E. HUDZINSKI\*  
JOHN P. CORNELI\*  
JAMES E. SCARBROUGH\*  
ANN M. SKERRY, PHD\*  
W. SCOTT HARDERS\*  
BRIAN G. BEMENICK

SUE ELLEN PHILLIPS\*  
GENE W. STOCKMAN†  
Of Counsel

SCOTT W. BRICKNER  
JEFFREY M. KETCHUM  
Registered Patent Agents

Bar Membership in Other Than Virginia  
Bar Membership in District of Columbia



13 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 10-104349  
filed April 15, 1998 ☐ A certified copy is attached herewith.



Copies of the disclosure documents listed on the attached PTO 1449 form and  
☐ discussed in the specification or ☐ attached Information Disclosure Statement.



A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.



Specification: Abstract X, Description 39 pages; and 18 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	18 - 20 = *	0
Indep Claims	4 - 3 = *	1
<input type="checkbox"/> Multiple Dependent Claim (s)		

\* If difference is less than zero  
then enter '0' in second column

Rate	Fee
	\$ 380
x 9	\$
x 39	\$
+ 130	\$
Total	\$

OR

Rate	Fee
	\$ 760
x 18	\$ 0
x 78	\$ 78
+ 260	\$ 0
Total	\$ 838



A check in the amount of \$ 838.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to  
Deposit Account No. 02-1540. A duplicate of this sheet is attached.

Respectfully Submitted,

By:

*John R. Mattingly*  
John R. Mattingly  
Registration No. 30,293

